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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	10/696,462
Filing Date	October 29, 2003
First Named Inventor	Golovchenko
Art Unit	2879
Examiner Name	E. Rielley
Attorney Docket Number	HVD2093

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
ER	A1	US- 2001/0009693	07-26-2001	Lee et al.	—
ER	A2	US- 6,297,063	10-02-2001	Brown et al.	—
ER	A3	US- 6,333,016	12-25-2001	Resasco et al.	—
ER	A4	US- 2002/0014667	02-07-2002	Shin et al.	—
ER	A5	US- 6,346,189	02-12-2002	Dai et al.	—
ER	A6	US- 6,350,488	02-26-2002	Lee et al.	—
ER	A7	US- 6,361,861	03-26-2002	Gao et al.	—
ER	A8	US- 2002/0046872	04-25-2002	Smalley et al.	—
ER	A9	US- 2002/0167374	11-14-2002	Hunt et al.	—
ER	A10	US- 2002/0172767	11-21-2002	Grigorian et al.	—
ER	A11	US- 6,515,339	02-04-2003	Shin et al.	—
ER	A12	US- 6,528,020	03-04-2003	Dai et al.	—
ER	A13	US- 6,555,362	04-29-2003	Hidaka et al.	—
ER	A14	US- 6,566,983	05-20-2003	Shin	—
ER	A15	US- 6,605,894	08-12-2003	Choi et al.	—
ER	A16	US- 2003/0157333	08-21-2003	Ren et al.	—
ER	A17	US- 2003/0186167	10-02-2003	Johnson Jr. et al.	—
ER	A18	US- 2003/0214054	11-20-2003	Awano et al.	—
ER	A19	US- 2004/0043527	03-04-2004	Bradley et al.	—

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
ER	A20	WO 02/26624 A1	04-04-2002	President and Fellows of Harvard College	—	
ER	A21	WO 01/44796 A1	06-21-2001	Bd. of Trustees of the Leland Stanford Jr University	—	
ER	A22	WO 02/054505 A2	07-11-2002	IBM United Kingdom Ltd	—	
ER	A23	WO 02/092505 A2	11-21-2002	Infineon Technologies	—	
ER	A24	WO 2004/040616 A2	05-13-2004	Hahn-Meitner-Inst. Berlin	—	
ER	A25	DE 102 50 829 A1	10-31-2002	Infineon Technologies	—	

Examiner Signature

*Elizabeth Rielley*

Date Considered

*12 December 05*

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				Filing Date	October 29, 2003
				First Named Inventor	Golovchenko
				Art Unit	2879
				Examiner Name	E. Riellley
Sheet	2	of	5	Attorney Docket Number	HVD2093

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 5

**U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

Examiner Signature	<i>Elizabeth Riller</i>	Date Considered	13 December '05
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				Examiner Name	E. Rielley
Sheet	3	of	5	Attorney Docket Number	HVD2093

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
<i>ER</i>	B1	KONG et al., "Synthesis of individual single-walled carbon nanotubes on patterned silicon wafers," Nature, Vol. 395, pp. 878-881, October 29, 1998.			T <sup>2</sup>
<i>ER</i>	B2	FAN et al., "Self-Oriented Regular Arrays of Carbon Nanotubes and Their Field Emission Properties," Science, Vol. 283, pp. 512-514, January 22, 1999.			
<i>ER</i>	B3	MARTEL et al., "Single- and multi-wall carbon nanotube field-effect transistors," Appl. Phys. Lett., Vol. 73, No. 17, pp. 2447-2449, October 26, 1998.			
<i>ER</i>	B4	REN et al., "Growth of a single freestanding multiwall carbon nanotube on each nanonickel dot," Appl. Phys. Letts., Vol. 75, No. 8, pp. 1086-1088, August 23, 1999.			
<i>ER</i>	B5	CASSELL et al., "Directed Growth of Free-Standing Single-Walled Carbon Nanotubes," J. Am. Chem. Soc., Vol. 121, pp. 7975-7976, 1999.			
<i>ER</i>	B6	SEEEGER et al., "SiO <sub>x</sub> -coating of carbon nanotubes at room temperature," Chem. Phys. Lett., Vol. 339, pp. 41-46, May 4, 2001.			
<i>ER</i>	B7	ZHANG et al., "Electric-field-directed growth of aligned single-walled carbon nanotubes," Appl. Phys. Lett., Vol. 79, No. 19, pp. 3155-3157, November 5, 2001.			
<i>ER</i>	B8	WIND et al., "Vertical scaling of carbon nanotube field-effect transistors using top gate electrodes," Appl. Phys. Lett., Vol. 80, No. 20, pp. 3817-3819, May 20, 2002.			
<i>ER</i>	B9	FRANKLIN et al., "Integration of suspended carbon nanotube arrays into electronic devices and electromechanical systems," Appl. Phys. Lett., Vol. 81, No. 5, pp. 913-915, July 29, 2002.			
<i>ER</i>	B10	HOMMA et al., "Growth of suspended carbon nanotube networks on 100-nm-scale silicon pillars," Appl. Phys. Lett., Vol. 81, No. 12, pp. 2261-2263, September 16, 2002.			

Examiner Signature	<i>Elizabeth Rielley</i>	Date Considered	<i>13 December '05</i>
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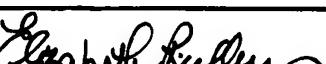
1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
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Sheet	4	of	5	Attorney Docket Number	HVD2093

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	B11	URAL et al., "Electric-field-aligned growth of single-walled carbon nanotubes," Appl. Phys. Lett., Vol. 81, No. 18, pp. 3464-3466, October 28, 2002.	
	B12	CAMPBELL et al., "Simple catalyst for the growth of small-diameter carbon nanotubes," Appl. Phys. Lett., Vol. 81, No. 24, pp. 4586-4588, December 9, 2002.	
	B13	JAVEY et al., "High-k dielectrics for advanced carbon-nanotube transistors and logic gates," Nature Materials, Vol. 1, pp. 241-246, December 2002.	
	B14	WHITSITT et al., "Silica Coated Single Walled Carbon Nanotubes," Nano Letters, Vol. 3, No. 6, pp. 775-778, 2003.	
	B15	ZAMBOV et al., "Template-Directed CVD of Dielectric Nanotubes," Chem. Vap. Deposition, Vol. 9, No. 1, pp. 26-33, 2003.	
	B16	MARTY et al., "Self-assembled single wall carbon nanotube field effect transistors," IEEE Nano, Vol. 2, pp. 240-243, 2003.	
	B17	HAN et al., "Coating Single-Walled Carbon Nanotubes with Tin Oxide," Nano Letters, Vol. 3, No. 5, pp. 681-683, 2003.	
	B18	CHUNG et al., "Nanoscale gap fabrication and integration of carbon nanotubes by micromachining," Sensors and Actuators A, Vol. 104, pp. 229-235, 2003.	
	B19	PENG et al., "Patterned growth of single-walled carbon nanotube arrays from a vapor-deposited Fe catalyst," Appl. Phys. Lett., Vol. 83, No. 20, pp. 4238-4240, November 17, 2003.	
	B20	CHIN et al., "Optical limiting properties of amorphous SixNy and SiC coated carbon nanotubes," Chem. Phys. Lett., Vol. 383, pp. 72-75, 2004.	

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Application Number 10/696,462

Filing Date October 29, 2003

First Named Inventor Golovchenko

Art Unit 2879

Examiner Name E. Rielley

Sheet

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of

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**NON PATENT LITERATURE DOCUMENTS**

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	B21	RADOSAVLJEVIC et al., "High performance of potassium n-doped carbon nanotube field-effect transistors," Appl. Phys. Lett., Vol. 84, No. 18, pp. 3693-3695, May 3, 2004.	
	B22	GRAHAM et al., "Towards the integration of carbon nanotubes in microelectronics," Diamond and Related Materials, Vol. 13, pp. 1296-1300, 2004.	
	B23	PENG et al., "Coulomb blockade in suspended Si3N4-coated single-walled carbon nanotubes," Appl. Phys. Lett., Vol. 84, No. 26, pp. 5428-5430, June 28, 2004.	

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